

PTO/SB/08a/b (08-03)  
 Approved for use through 07/31/2006. OMB 0651-0031  
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	10/666,171-Conf. #7110
				Filing Date	September 19, 2003
				First Named Inventor	Samer R. White
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	65858-0024

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DS	AA	US-5,373,749	12-20-1994	Strand et al.	
DS	AB	US-6,035,728	03-14-2000	Jost	
DS	AC	US-6,386,054	05-14-2002	Jones et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
DS	BA	DE-197 50 157 A1	05-28-1998			
DS	BB	DE-198 58 517 C1	08-17-2000			
DS	BC	EP-0 660 097 A2	06-28-1995			✓
DS	BD	EP-0 847 917 A1	06-17-1998			✓

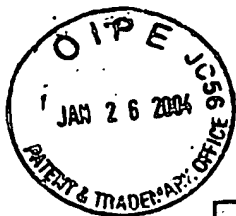
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
DS	CA	International Search Report dated 22/11/2004 (3 pages)			
DS	CB	Derwent English Abstract for DE 197 50 157 A1 (1 page)			
DS	CC	Derwent English Abstract for DE 198 58 517 C1 (1 page)			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/David Silver/ (05/09/2006)	Date Considered	
--------------------	-----------------------------	-----------------	--



PTO/SB/08a/b (08-03)  
Approved for use through 07/31/2005. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/666,171
				Filing Date	September 19, 2003
				First Named Inventor	White
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	65858-0024

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication or Patent Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
DS  ↓   						

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
DS	BA	JP-61-66906	04-05-1986	Nippon Denso Co. Ltd.		
DS	BB	JP-61-66905	04-05-1986	Nippon Denso Co. Ltd.		
DS	BC	WO 02/30717 /	04-18-2002	HRL Laboratories, LLC		
DS	BD	GB-2 236 419 A /	04-03-1991	General Engineering B.V.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/David Silver/ (05/09/2006)	Date Considered	
-----------------------	-----------------------------	--------------------	--



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/666,171
				Filing Date	September 19, 2003
				First Named Inventor	White
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	65858-0024
Sheet	2	of	2		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
DS	CA /	Greg Welch and Gary Bishop, "An Introduction to the Kalman Filter," September 4, 1997		
DS	CB /	"GPS-Based Vehicle Tracking" by Jeffrey Pusan from <a href="http://www.securitydriver.com/aic/stories/article-97.com">www.securitydriver.com/aic/stories/article-97.com</a>		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/David Silver/ (05/09/2006)	Date Considered	
--------------------	-----------------------------	-----------------	--



PTO/SB/08a/b (08-03)  
Approved for use through 07/31/2005. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	10/666,171
				Filing Date	September 19, 2003
				First Named Inventor	White
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	65858-0024

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication or Patent Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DC	AA	US-4,179,696-B1	12-18-1979	Quesinberry et al.	
	AB	US-4,625,329	11-25-1996	Ishikawa et al.	
	AC	US-4,985,835	01-15-1991	Sterler et al.	
	AD	US-5,051,751-B1	09-24-1991	Gray et al.	
	AE	US-5,074,583-B1	12-24-1991	Fujita et al.	
	AF	US-5,229,943	07-20-1993	Eigler et al.	
	AG	US-5,256,904	10-26-1993	Tohbaru	
	AH	US-5,366,241-B1	11-22-1994	Kithil	
	AI	US-5,398,185-B1	03-14-1995	Omura	
	AJ	US-5,413,378-B1	05-09-1995	Steffens, Jr. et al.	
	AK	US-5,446,661-B1	08-29-1995	Gioutsos et al.	
	AL	US-5,490,069-B1	02-06-1996	Gioutsos et al.	
	AM	US-5,528,698	06-18-1996	Kamei et al.	
	AN	US-5,890,085-B1	03-30-1999	Corrado et al.	
	AO	US-5,983,147-B1	11-09-1999	Krumm	
	AP	US-6,005,958-B1	12-21-1999	Farmer et al.	
	AQ	US-6,018,693	01-25-2000	Blackburn et al.	
	AR	US-6,026,340	02-15-2000	Corrado et al.	
	AS	US-6,116,640	09-12-2000	Tanaka et al.	
	AT	US-6,198,998	03-06-2001	Farmer et al.	
	AU	US-6,272,411-B1	08-07-2001	Corrado et al.	
	AV	US-6,459,974	10-01-2002	Baloch et al.	
	AW	US-6,577,936	06-10-2003	Farmer	
	AX	US-6,662,093	12-09-2003	Farmer	
	AY	US-2003-0016845-A1	01-23-2003	Farmer	
	AZ	US-2003-0031345-A1	02-23-2003	Farmer	
	AA1	US-2003-0123704-A1	07-03-2003	Farmer et al.	
	AB1	US-2003-0133595-A1	07-17-2003	Farmer et al.	
	AC1	US-2003-0135346-A1	07-17-2003	Farmer et al.	
DS	AD1	US-2003-0234519-A1	12-25-2003	Farmer	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	BA	JP-61-66906	04-05-1986	Nippon Denso Co. Ltd.		
	BB	JP-61-66905	04-05-1986	Nippon Denso Co. Ltd.		
DS	BC	WO 02/30717 /	04-18-2002	HRL Laboratories, LLC		
DS	BD	GB-2 236 419 A /	04-03-1991	General Engineering B.V.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	David Silver	Date Considered	5/9/06
-----------------------	--------------	--------------------	--------



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	10/666,171
				Filing Date	September 19, 2003
				First Named Inventor	White
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	65858-0024

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
DS	CA /	Greg Welch and Gary Bishop, "An Introduction to the Kalman Filter," September 4, 1997	
DS	CB /	"GPS-Based Vehicle Tracking" by Jeffrey Pusan from <a href="http://www.securitydriver.com/aic/stories/article-97.com">www.securitydriver.com/aic/stories/article-97.com</a>	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	David Silver	Date Considered	5/9/06
-----------------------	--------------	--------------------	--------